



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: GW170040
Cust No: 33050-10185

30-045-07663
Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: CALLOW FED 1 BHD
County/State: SAN JUAN
Location:
Field:
Formation: DAKOTA
Cust. Stn. No.: 72642

Source: BRADENHEAD
Well Flowing:
Pressure: 115 PSIG
Flow Temp: DEG. F
Ambient Temp: 68 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/25/2017
Sample Time: 1.00 PM
Sampled By: CULLAN KELLER
Sampled by (CO): GWDC

OIL CONS. DIV DIST. 3
NOV 07 2017

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5804	0.5697	0.0640	0.00	0.0056
CO2	0.0033	0.0032	0.0010	0.00	0.0001
Methane	89.8618	88.2081	15.2720	907.60	0.4977
Ethane	5.6370	5.5333	1.5110	99.76	0.0585
Propane	2.3955	2.3514	0.6620	60.27	0.0365
Iso-Butane	0.4619	0.4534	0.1520	15.02	0.0093
N-Butane	0.5559	0.5457	0.1760	18.14	0.0112
I-Pentane	0.1919	0.1884	0.0700	7.68	0.0048
N-Pentane	0.1243	0.1220	0.0450	4.98	0.0031
Hexane Plus	0.1880	0.1845	0.0840	9.91	0.0062
Total	100.0000	98.1597	18.0370	1123.36	0.6329

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT IDEAL: 1126.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1129.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1109.4
DRY BTU @ 15.025: 1151.6
REAL SPECIFIC GRAVITY: 0.6344

CYLINDER #: 6095
CYLINDER PRESSURE: 115 PSIG
DATE RUN: 10/30/17 12:00 AM
ANALYSIS RUN BY: RICHARD WILSON

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 11/01/2017